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Major Macromolecular Architectures

DENDRITIC

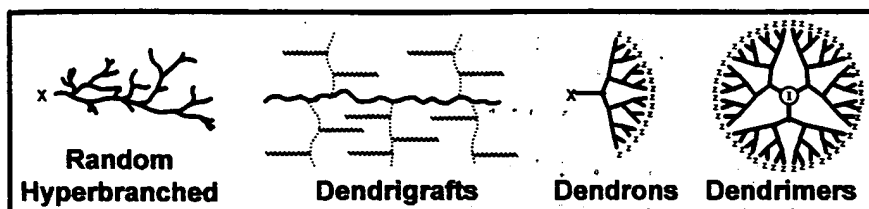
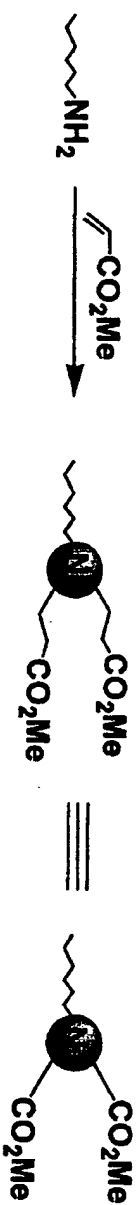


FIG 1

(a) Alkylation Chemistry (Amplification)



Half Generations = Gn.5

(b) Amidation Chemistry

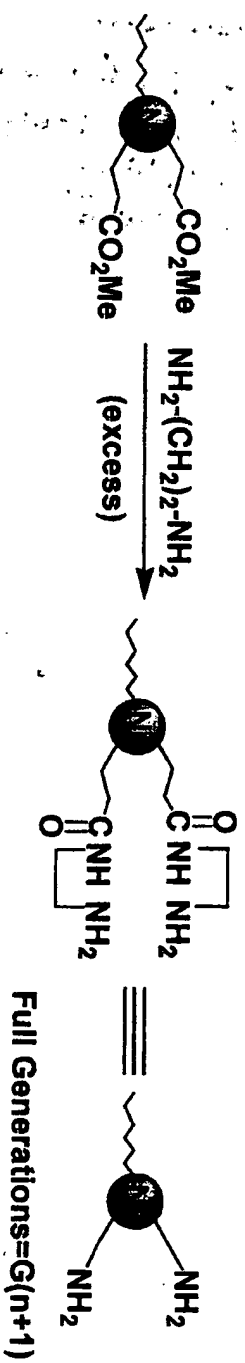
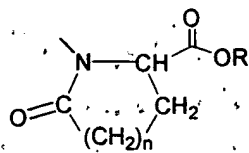


Fig. 2

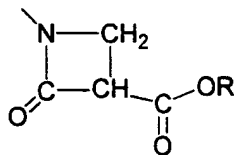
Where Q has the general formula:



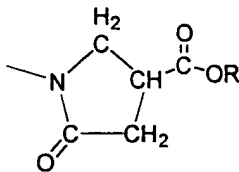
When:

Then Q =

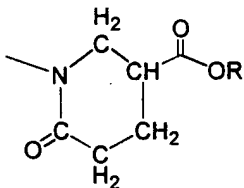
n=0;



n=1;



n=2;



n=3;

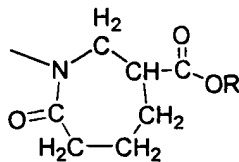


Fig 3

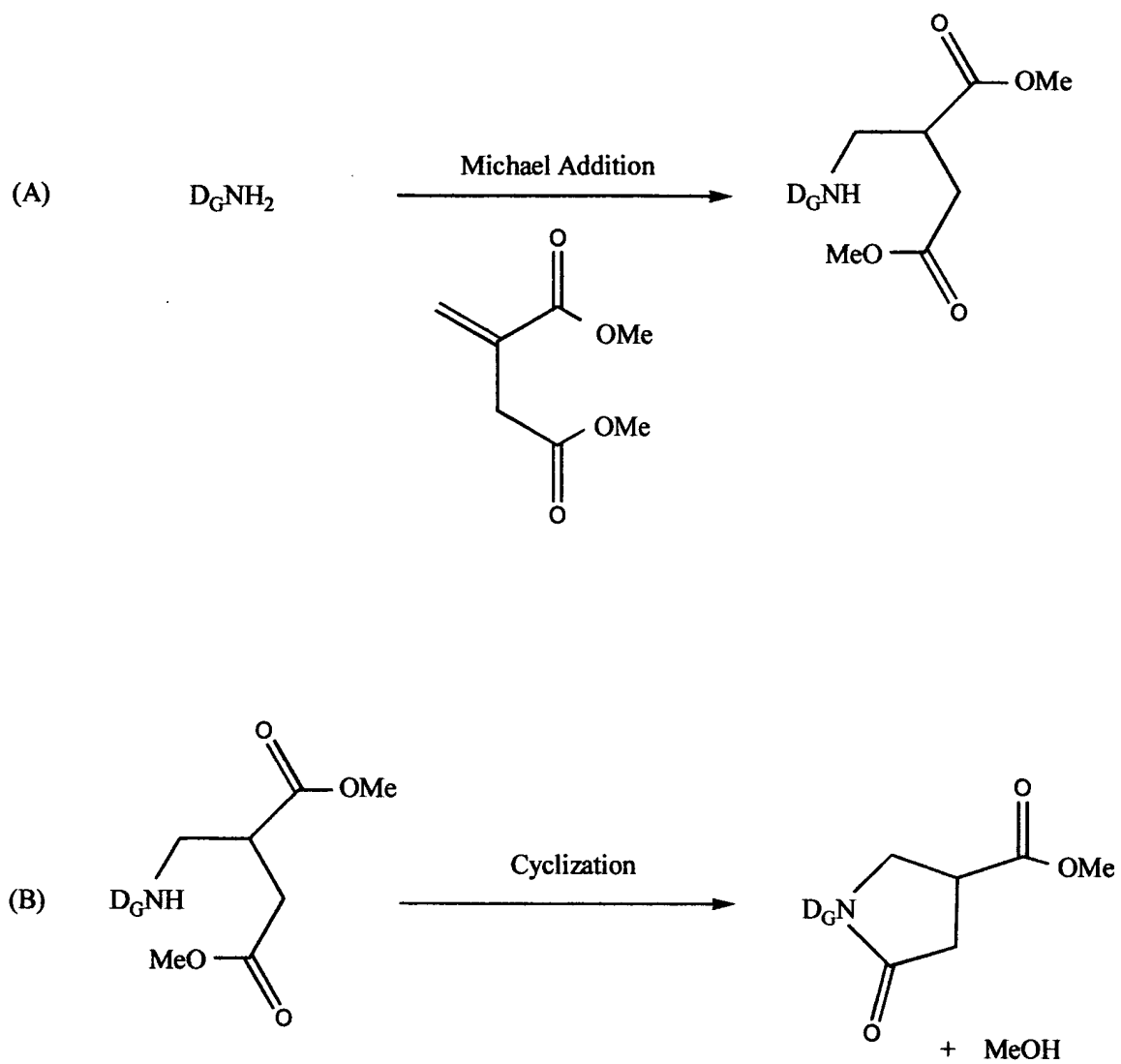


Figure 4

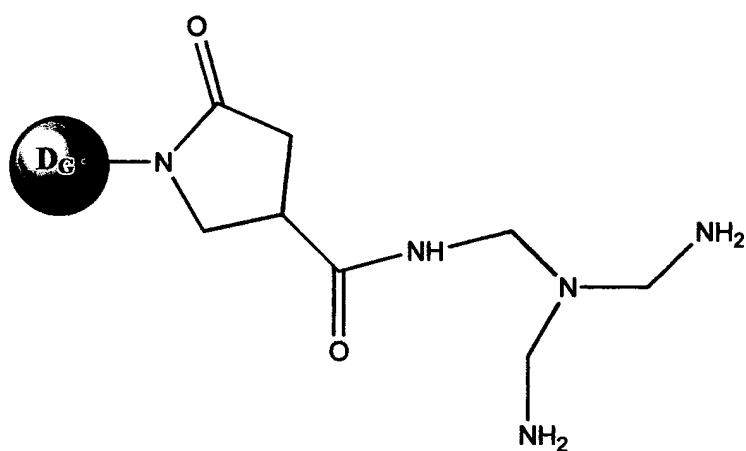
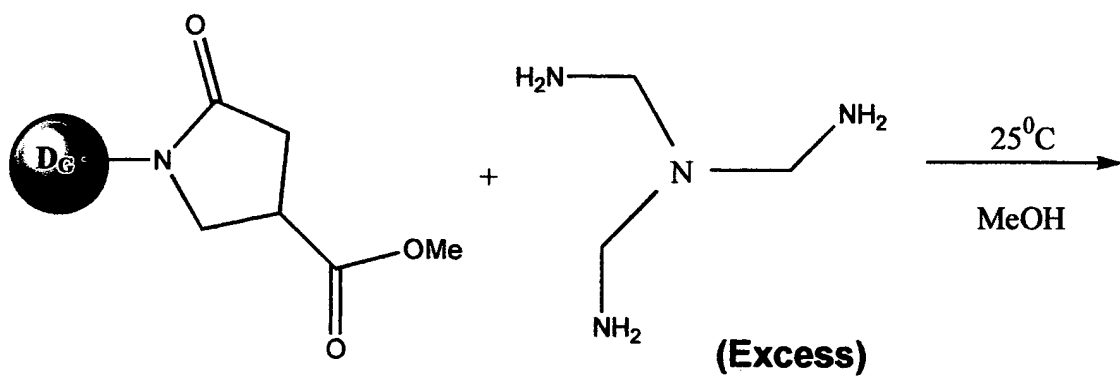
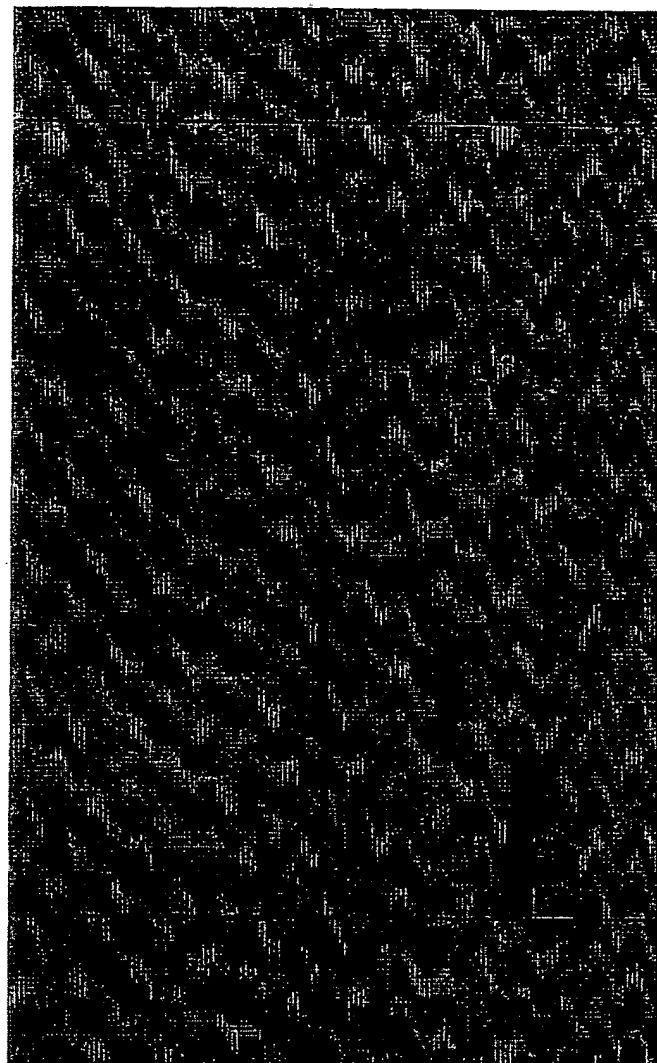


Figure 5



G0 G1 G2 G3 G4 G5

Fig. 6

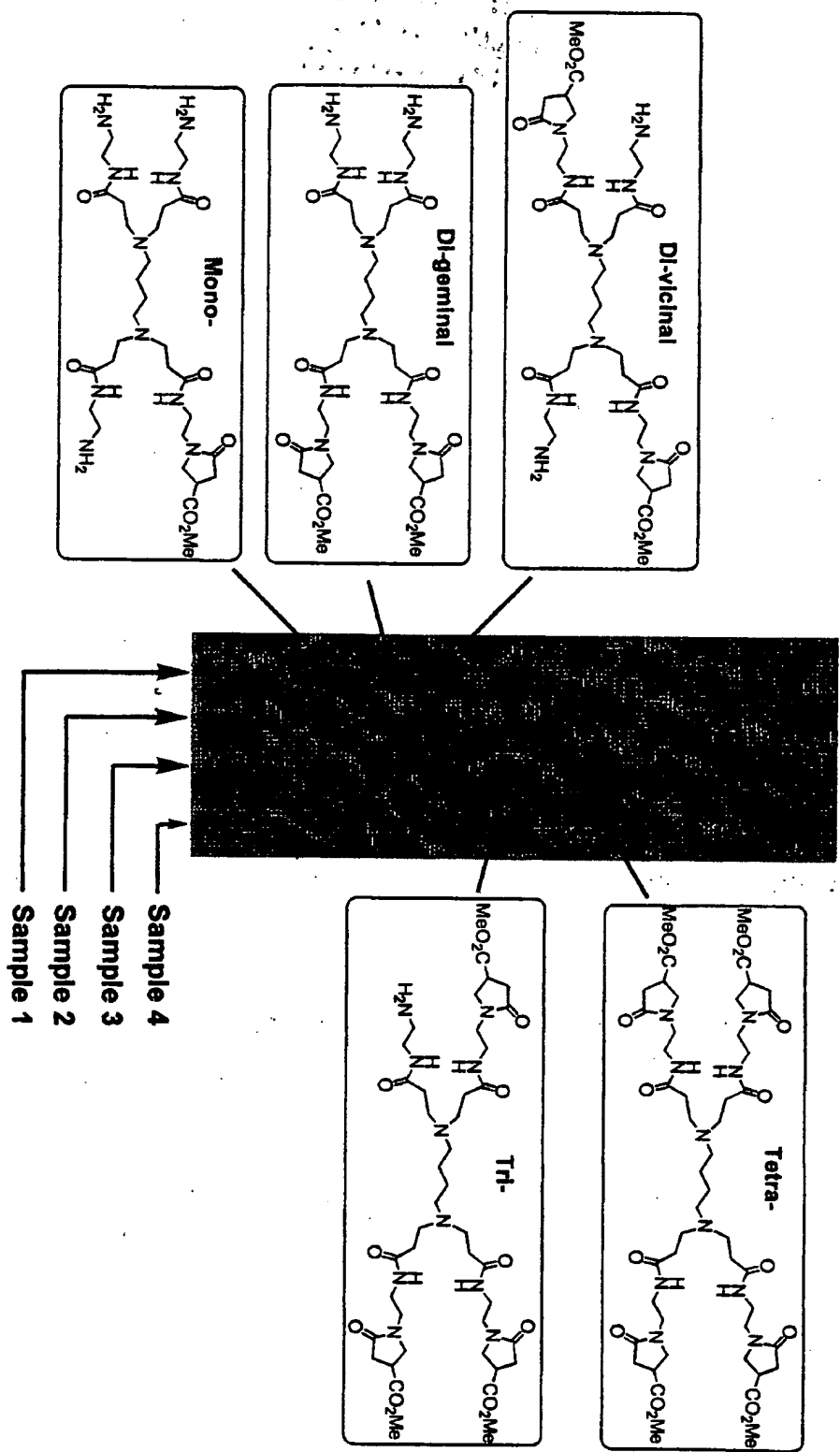


Fig. 7

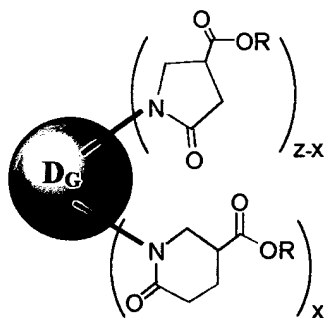
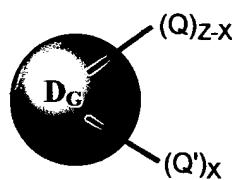
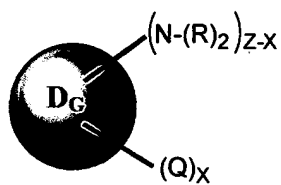
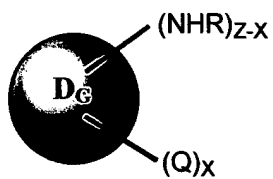
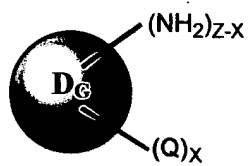


Figure 8